AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method to protect a kidney in a mammalian patient comprising:

a. artificially increasing renal pelvis pressure including increasing pressure in a urinary tract

of at least one kidney of the patient; b. reducing a renal function of the kidney by maintaining

the increased pressure, and c. reducing the pressure in the urinary tract to increase the renal

function above the reduced renal function.

2. (Original) A method as in claim 1 wherein the increase of pressure in the urinary tract is

temporary.

3. (Original) A method as in claim 1 wherein the increase in the pressure in the urinary tract

is reversible.

4. (Original) The method as in claim 1 wherein the urinary tract pressure is increased at least

to a pressure of 10 to 20 cmH₂O above a pressure level in the urinary tract prior to the

artificial increase in pressure.

5. (Original) The method as in claim 1 wherein the urinary tract pressure is increased prior to

LE-218J

Response FOA 10-25-07

TET/cae

the administration of a contrast agent to the patient.

6. (Original) The method as in claim 5 wherein the urinary tract pressure is increased to

protect the kidney from an insult.

7. (previously presented) The method as in claim 1 wherein the urinary tract pressure is

increased prior to surgery and the increased pressure is reduced after the surgery.

8. (Original) The method as in claim 1 wherein the urinary tract pressure is increased for at

least one hour.

9. (Original) The method as in claim 1 wherein the urinary tract pressure is increased by

artificially infusing fluid into a bladder of the patient.

10. (Original) The method as in claim 9 wherein infused fluid flows into the bladder of the

patient without first flowing through the kidney.

11. (Original) The method as in claim 9 wherein the infused fluid flows into the bladder

through a urethra of the patient prior to entering the bladder.

12. (Withdrawn) The method as in claim 9 further comprising maintaining an increased

pressure in the bladder by applying an elevated pressure to the infused fluid in the bladder.

LE-218J

13. (Withdrawn) The method as in claim 12 wherein the elevated pressure of the infused fluid is applied by gravity.

14. (Withdrawn) The method as in claim 12 wherein the infused fluid flows from a container elevated above the patient and flows from the container into the bladder.

- 15. (Withdrawn) The method as in claim 14 wherein the container is elevated about the patient a distance in a range of range of 13 centimeters(cm) to 140 cm above the patient.
- 16. (Withdrawn) The method as in claim 14 wherein the infused fluid flows from the container into the bladder due to gravity.
- 17. (Original) The method as in claim 1 wherein increasing the urinary tract pressure further comprises artificially distending the bladder of the patient.
- 18. (Original) The method as in claim 17 wherein artificially distending the bladder further comprises artificially infusing fluid into the bladder.
- 19. (Withdrawn) The method as in claim 1 wherein increasing the urinary tract pressure further comprises at least partially obstructing a flow of urine from the kidney and through the urinary tract.

20. (Original) The method as in claim 1 wherein increasing the urinary tract pressure further

comprises at least partially obstructing a flow of urine from the bladder.

21. (Original) A method to prevent or treat contrast nephropathy in a mammalian patient

undergoing a radiographic procedure comprising: a. artificially increasing pressure in a

urinary tract of at least one kidney of the patient; b. injecting the contrast agent into a blood

vessel of the patient, and c. reducing pressure in the urinary tract of the kidney.

22. (Original) A method as in claim 21 further comprising reducing a renal function of the

during a period in which the contrast agent is in the blood of the patient.

23. (previously presented) A method as in claim 21 further comprising, prior to step (a),

identifying the patient from a group of patients suffering from one or more of a group of

illnesses consisting of chronic renal disease, diabetes and old age, wherein the identified

patient is determined to be at particular risk during injection of a contrast agent.

24. (Original) A method as in claim 21 wherein reducing the pressure returns the urinary tract

to a pressure that existed before injection of the contrast agent.

25. (Original) A method as in claim 21 wherein the increase of pressure in the urinary tract is

6

temporary.

LE-218J

26. (Original) A method as in claim 21 wherein the increase in the pressure in the urinary

tract is reversible.

27. (Original) A method as in claim 21 wherein steps (a), (b) and (c) are preformed

sequentially.

28. (Original) The method as in claim 21 wherein the urinary tract pressure is increased at

least to a pressure of 10 to 20 cmH₂O above a pressure level in the urinary tract before step

(a).

29. (Original) The method as in claim 21 wherein the urinary tract pressure is increased prior

to the administration of the contrast agent to the patient.

30. (Original) The method as in claim 29 wherein the urinary tract pressure is a pressure in a

bladder of the patient.

31. (Original) The method as in claim 21 wherein the urinary tract pressure is increased for at

least one hour.

32. (Original) The method as in claim 21 wherein the urinary tract pressure is increased by

artificially infusing fluid into a bladder of the patient.

LE-218J

33. (Original) The method as in claim 32 wherein the infused fluid flows into the bladder of

the patient without first flowing through the kidney.

34. (Original) The method as in claim 32 wherein the infused fluid flows into the bladder

through a urethra of the patient prior to entering the bladder.

35. (Withdrawn) The method as in claim 33 further comprising maintaining an increased

pressure in the bladder by applying an elevated pressure to the infused fluid in the bladder.

36. (Withdrawn) The method as in claim 35 wherein the elevated pressure of the infused

fluid is applied by gravity.

37. (Withdrawn) The method as in claim 36 wherein the infused fluid flows from a container

elevated above the patient and flows from the container into the bladder.

38. (Withdrawn) The method as in claim 37 wherein the container is elevated about the

patient a distance in a range of range of 13 centimeters(cm) to 140 cm above the patient.

39. (Withdrawn) The method as in claim 37 wherein the infused fluid flows from the

8

container into the bladder due to gravity.

LE-218J

Response FOA 10-25-07

- 40. (Withdrawn) The method as in claim 37 further comprising regulating a flow of the infused fluid into the bladder by an adjustable pump.
- 41. (Withdrawn) The method as in claim 35 wherein increasing the urinary tract pressure further comprises artificially distending the bladder of the patient.
- 42. (Withdrawn) The method as in claim 41 wherein artificially distending the bladder further comprises artificially infusing fluid into the bladder.
- 43. (Withdrawn) The method as in claim 35 wherein increasing the urinary tract pressure further comprises at least partially obstructing a flow of urine from the kidney and through the urinary tract.
- 44. (Withdrawn) The method as in claim 35 wherein increasing the urinary tract pressure further comprises at least partially obstructing a flow of urine from the bladder.
- 45. (Currently Amended) A method to inhibit a natural function of a kidney of a patient during surgery comprising: a. artificially increasing renal pelvis a pressure including increasing pressure in a urinary tract of at least one kidney of the patient, b. performing the surgery on the patient, and c. reducing pressure in the urinary tract of the kidney to substantially a pressure level existing before step (a).

LE-218J Response FOA 10-25-07 TET/cae 46. (Original) A method as in claim 45 wherein the increase of pressure in the urinary tract is

temporary.

47. (Original) A method as in claim 45 wherein the increase in the pressure in the urinary

tract is reversible.

48. (Original) The method as in claim 45 wherein the urinary tract pressure is increased at

least to a pressure of 10 to 20 cmH₂O above a pressure level in the urinary tract prior to step

(a).

49. (Original) The method as in claim 45 wherein the urinary tract pressure is a pressure in a

bladder of the patient.

50. (Original) The method as in claim 45 wherein the urinary tract pressure is increased for at

least one hour.

51. (Original) The method as in claim 45 wherein the urinary tract pressure is increased by

artificially infusing fluid into a bladder of the patient.

52. (Original) The method as in claim 51 wherein the infused fluid flows into the bladder

through a urethra of the patient prior to entering the bladder.

LE-218J

53. (Withdrawn) The method as in claim 51 further comprising maintaining an increased

pressure in the bladder by applying an elevated pressure to the infused fluid in the bladder.

54. (Withdrawn) The method as in claim 53 wherein the elevated pressure of the infused

fluid is applied by gravity.

55. (Withdrawn) The method as in claim 54 wherein the infused fluid flows from a container

elevated above the patient and flows from the container into the bladder.

56. (Withdrawn) The method as in claim 55 wherein the container is elevated about the

patient a distance in a range of range of 13 centimeters(cm) to 140 cm above the patient.

57. (Withdrawn) The method as in claim 51 further comprising regulating a flow of the

infused fluid into the bladder by an adjustable pump.

58. (Original) The method as in claim 45 wherein increasing the urinary tract pressure further

comprises artificially distending the bladder of the patient.

59. (Original) The method as in claim 58 wherein artificially distending the bladder further

comprises artificially infusing fluid into the bladder.

60. (Withdrawn) The method as in claim 45 wherein increasing the urinary tract pressure

11

LE-218J

Response FOA 10-25-07

further comprises at least partially obstructing a flow of urine from the kidney and through the urinary tract.

- 61. (Original) The method as in claim 45 wherein increasing the urinary tract pressure further comprises at least partially obstructing a flow of urine from the bladder.
 - 62. (Cancelled)
 - 63. (Cancelled)
 - 64. (Original) The method as in claim 45 wherein steps (a), (b) and (c) are preformed in sequence.
 - 65. (Original) The method as in claim 45 wherein the surgery begins prior to increasing the pressure in the urinary tract.
 - 66. (Original) The method as in claim 45 wherein the surgery is substantially completed before reducing the pressure in the urinary tract.
 - 67. 97. (Cancelled)